1.Why System.Object is called master node? List and explain any three instance methods and static methods of System.Object.

2.With an example, Explain what happens when reference type is passed by value and passed by reference.

3.What is boxing and unboxing?Explain with an examples.

4.Explain the method parameter modifiers. Demonstrate with a function definition and function call for each modifier.

5.Write a program in C# to read a jagged array and display the sum of all the elements of three inner arrays.

6.Write a program in C# to accept two strings and perform the following operations:

1. Copy string 2 to string 3.
2. Check string 1 ends with “ENGG” or not. If it is true, search character ‘a’ in string 3.
3. iii) Insert “VTU” in the string 2 at position 6 and display it.

.7Write a C# program to sort and reverse an array of five elements using sort() and reverse Methods.

8.With a program, demonstrate, how an assignment operator, between value types and function types differ

9.How do you format .NET string and textual output? Give example.

10.How would you create object instance in C#? With examples, describe default assignment of .NET data types.

11.Write a short note on enumeration and explain their usage with example.

12.Explain iteration construct with example.

13.Differentiate value Types and Reference Types with example

14Explain the different string manipulation methods with example